

Docket Number
TUC920010036US1Application Number
10/038,163OPI
INFORMATION DISCLOSURE CITATION
IN AN APPLICATION
APR 22 2003
FEDERAL TRADEMARK
IN AN APPLICATION
(Use several sheets if necessary)Applicant
M. Blaum et al.Filing Date
January 2, 2002Group Art Unit
2637

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
✓	5	2	9	1	4	9	9	01 Mar 1994	Behrens et al.			
✓	5	3	4	1	3	8	7	23 Aug 1994	Nguyen			
✓	5	5	2	1	9	4	5	28 May 1996	Knudson			
✓	5	6	3	5	9	3	3	06/03/97	Fitzpatrick et al.			
✓	5	6	6	1	7	6	0	26 Aug 1997	Patapoutian et al.			
✓	5	7	5	7	2	9	4	05/26/98	Fisher et al.			
✓	5	7	5	7	8	2	2	26 May 1998	Fisher et al.			
✓	5	8	3	8	7	3	8	17 Nov 1998	Zook			
✓	5	8	4	4	5	0	7	12/01/98	Zook			
✓	5	9	9	9	1	1	0	07 Dec 1999	Blaum et al.			
✓	6	0	1	8	3	0	4	25 Jan 2000	Bessios			
✓	6	0	2	1	0	1	1	01 Feb 2000	Behrens et al.			
✓	6	0	3	2	2	8	4	29 Feb 2000	Bliss			
✓	6	0	4	6	6	9	1	04/04/00	Aziz et al.			
✓	6	0	7	2	4	1	0	06/06/00	Kim			
✓	6	0	9	7	3	2	0	08/01/00	Kuki et al.			
✓	6	0	9	7	3	2	1	08/01/00	Sayiner			
✓	6	1	1	5	1	9	8	05 Sep 2000	Reed et al.			
✓	6	1	1	9	2	6	5	12 Sep 2000	Hara			
✓	6	1	3	0	6	2	9	10/10/00	Aziz et al.			
✓	6	1	5	0	9	6	4	11/21/00	McLaughlin			
✓	6	1	5	7	3	2	5	12/05/00	Kahlman et al.			
✓	6	1	8	4	8	0	6	02/06/01	Patapoutian et al.			
✓	6	1	8	5	1	7	5	06 Feb 2001	Zook			
✓	6	4	2	9	9	8	6	08/06/02	Blaum et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	Translation YES NO
✓	0	7	5	1	5	2	2	02 Jan 1997	EP			Full
✓	0	7	6	4	9	5	0	26 Mar 1997	EP			Full
✓	10	0	2	7	4	3	3	27 Jan 1998	JP			Abs. Full

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Docket Number
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3869

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1	9	4	1	8	6	7	0	18 Aug 1994	PCT	1	Full	
2	9	7	0	8	8	3	6	06 Mar 97	PCT	2	Full	
3	9	7	1	6	0	1	1	01 May 1997	PCT	3	Full	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

1	Fredrickson, L. "Synchronization Sequence Detection Using a Modified Trellis Code Viterbi Detector", <i>IBM Technical Disclosure Bulletin</i> . Vol. 38, No. 6, June 1995. Pp. 145-150.
2	McLaughlin, S. W., P. Lee, and R. Cloke. "Codes for Improved Timing Recovery in *PR4* and *EPR4* Magnetic Recording", <i>GLOBECOM 97. IEEE Global Telecommunications Conference</i> . Vol. 3, 1997. p. 1235-9. (Abs.)
3	McLaughlin, S.W., P. Lee, R. Cloke, and B.V. Vasic. "One-Pairs Codes for Partial Response Magnetic Recording", <i>IEEE Transactions on Magnetics</i> , Vol. 35, No. 3, May 1999. Pp. 2080-2086.
4	U.S. Patent Application Serial No. 10/037753, filed on January 2, 2003, entitled, "Method and Apparatus for Encoding data to Guarantee Isolated Transitions in a Magnetic Recording System", invented by M. Blaum, G.A. Jacquette, B.H. Marcus, and C.M. Mela.

EXAMINER

DATE CONSIDERED

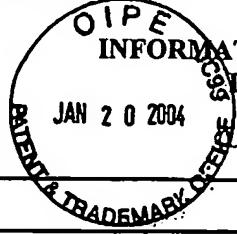
8/16/05

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

PTO/SB/ 08 (04-03)

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Apr 2003

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

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TUC920010036US1Application Number
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M. Blaum et al.Filing Date
January 2, 2002Group Art Unit
2850

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
7	6	0	1	4	2	7	6	1/11/00	Takase			
7	4	9	3	3	7	8	6	6/12/90	Wilson			

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	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	Translation YES NO
7	0	5	1	7	4	8	3	12/9/92	EPC			*

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

7	IBM Technical Disclosure Bulletin, "Rate 16/17 (0,6/6) Code." IBM Corp. New York, USA. Vol 31, No. 8, 1989, pp 21-23.
7	Yasuda, T., et al. "Byte Synchronization System and Method Using an Error-Tolerant Synchronization Pattern for the PR IV Channel." IEEE Transactions on Magnetics, IEEE Inc. New York, USA. Vol. 34, No. 4, Part 1, July 1998 (1998-07), pp 1922-1924.
7	PCT/EP02/14563, International Search Report mailed 21 August 2003.

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DATE CONSIDERED

2/16/05

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Application Number	10/038,163
Filing Date	January 2, 2002
First Named Inventor	M. Blaum et al.
Art Unit	2694-2637
Examiner Name	Stephen Chin Young Tse
Attorney Docket Number	TUC920010036US1

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number- Kind Code (if known)			
		US-			
		US-			RECEIVED
		US-			JUN 04 2004
		US-			
		US-			Technology Center 2600

FOREIGN PATENT DOCUMENTS					
Examiner Initials	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code- Number- Kind Code			

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T
7		PCT International Preliminary Examination Report, International Application No. PCT/EP02/14563, March 30, 2004			

Examiner Signature	<i>Young Tse</i>	Date Considered	8/16/05
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.			